Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 06:00 on Monday 13 Mar 2023 until 23:59 on Tuesday 14 Mar 2023

Forecast Issued on Monday 13 Mar 2023 at 02:28

Confidence: High for an unsettled week with heavy precipitation at times and turning colder later Monday. Lower for extent of snow showers Tuesday, timing of clearance Thursday, and for Friday.

Headline for Monday 13 Mar 2023: Dull and wet, then colder with snow in evening. Windy.

Mountain weather hazards on Monday 13 Mar 2023

Blizzards
Low Likelihood

Gales
High Likelihood

Thunderstorms
No Likelihood

Heavy persistent snow
Low Likelihood

Severe chill effect
Low Likelihood

Heavy persistent rain
High Likelihood

Storm force winds
Low Likelihood

Poor visibility
High Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Heavy Rain	Heavy Rain	Heavy Rain	Sleet	Heavy snow
Precipitation probability					
60%	90%	80%	90%	90%	90%

Forecast for Monday 13 Mar 2023

Weather: Cloudy with widespread hill fog and persistent, often heavy, rain through much of the day, conditions underfoot likely to become very wet with fast-running watercourses. During the evening, as winds turn more northerly, the rain will turn increasingly to occasionally heavy snow, initially on the higher tops but eventually to at all levels, with blizzard conditions developing at height.

Chance of cloud-free hill tops above 600m: 10%

Low Cloud and visibility: Persistent cloud above 450-600m, lowering to 300m at times especially for western hills, perhaps with periods above 600m at times in east. Away from cloud visibility generally several kilometres in rain falling to a kilometre or less in heavy snow and near zero in blizzards.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Monday 13 Mar 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	36/47 SW	37/49 SW	34/47 SW	28/40 SW	21/28 W	14/20 NW	22/32 N
300	21/46 SW	21/45 SW	20/41 SW	18/38 SW	13/28 W	11/20 NW	16/32 N
Valley	15/39 SW	18/42 SW	18/39 SW	17/36 SW	12/25 W	13/24 N	16/34 N

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	6/-0	5/-1	6/-0	6/0	4/-2	1/-4	-2/-9
300	8/4	8/3	7/3	7/3	6/2	3/-1	0/-6
Valley	9/6	9/5	8/4	8/4	6/3	4/-0	1/-4
Freezing Level*	1600m	1500m	1600m	1600m	1400m	700m	200m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Gusts close to 65mph over ridges and summits around dawn then easing. Generally a pretty miserable day with widespread difficult conditions.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Sun 12 Mar 2023	1.4mm	10.2mm	12.8mm

Forecast for Tuesday 14 Mar 2023

Weather: Occasionally heavy snow, with blizzard conditions, clearing south soon after midnight with skies then clearing. Then a bitterly cold day with a mix of sunny spells and occasionally heavy snow showers, most frequent over western hills. The showers largely dying out through the evening. Lying snow likely to drift in the strong winds.

Maximum wind: Westerly or north-westerly 30mph, gusts around 50mph over ridges and summits

Chance of cloud-free hill tops above 600m: 70%

Low Cloud and visibility: Occasional, or especially in west, periods of cloud above about 600-750m, lowering to 450m at times in showers. Away from cloud visibility very good, but very poor in heavy snow showers.

Temperature: **Valleys:** Around zero Celsius at dawn and again in evening, rising to plus 4 Celsius by day
At 600m: Around minus 2 or 3 Celsius
Freezing level: 300m or less

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